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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/832,899A

DATE: 08/17/2001

TIME: 14:21:47

Input Set : A:\032751-052.ST25.txt

Output Set: N:\CRF3\08172001\I832899A.raw

ENTERED

4 <110> APPLICANT: Balloul, Jean-Marc
5 Paul, Stephane
7 <120> TITLE OF INVENTION: Poxvirus With Targeted Infection Specificity
9 <130> FILE REFERENCE: 032751-052
11 <140> CURRENT APPLICATION NUMBER: US 09/832,899A
12 <141> CURRENT FILING DATE: 2001-04-12
14 <150> PRIOR APPLICATION NUMBER: US 60/246,080
15 <151> PRIOR FILING DATE: 2000-11-07
17 <160> NUMBER OF SEQ ID NOS: 21
19 <170> SOFTWARE: PatentIn version 3.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 24
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: PCR primer to amplify the MVA 138L gene and flanking region
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31 cagactggac ggcgtccata tgag 24
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 61
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: antisense PCR primer to amplify the 3' end of MVA 138L gene
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42 3' flanking region
44 <220> FEATURE:
45 <221> NAME/KEY: gene
46 <222> LOCATION: Complement((1)..(61))
47 <223> OTHER INFORMATION:
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52 a 61
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 61
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: PCR primer to amplify E. coli gpt gene and H5R promoter
63 <220> FEATURE:
64 <221> NAME/KEY: gene
65 <222> LOCATION: (1)..(61)
66 <223> OTHER INFORMATION:
68 <400> SEQUENCE: 3
69 taatatctgg taagaatcac gatggtactc ccgggatctt ttattctata cttaaaaaat 60
71 g 61
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 35

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76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: antisense PCR primer to amplify E. coli GPT gene and pH5R
81     promoter
83 <400> SEQUENCE: 4
84 ggggttaatt aaggaagtta aaaagaacaa cgccc                      35
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 38
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: PCR primer to amplify the upstream region of MVA 138L gene
97 <400> SEQUENCE: 5
98 gggggaattc gagcttatag cgtttagttc aggtacgg                      38
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 44
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: antisense PCR primer to amplify the upstream region of the
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109     8L gene
112 <400> SEQUENCE: 6
113 ggggaagctt ttaaagtaca gattttagaa actgacactc tgcg                      44
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118 <211> LENGTH: 68
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: antisense primer to amplify the upstream region of teh MVA
138L
124     gene
126 <400> SEQUENCE: 7
127 ggggaagctt caagagcggc acggctcccg ccgctgcgac gttcaggagg accaaggcaa      60
129 ccacgaac                                                         68
133 <210> SEQ ID NO: 8
134 <211> LENGTH: 31
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: PCR primer to amplify the MVA 138L gene and its downstream
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142 <400> SEQUENCE: 8
143 ggggaagctt atggacggaa ctcttttccc c                                  31
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 37
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: antisense PCR primer to amplify the MVA 138L gene and its
154     downstream region

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163 <211> LENGTH: 68
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: PCR primer to amplify SM3 scFv sequence
171 <400> SEQUENCE: 10
172 cgcagagtgt cagtttctaa aatctgtact ttaaattggtg cagctgcagg agtctggagg      60
174 aggcttgg          68
178 <210> SEQ ID NO: 11
179 <211> LENGTH: 58
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: antisense PCR primer to amplify the SM3 scFv sequence
187 <400> SEQUENCE: 11
188 gatcgtcatc tccggggaaa agagttccgt ccatcagttt ggttcctcca ccgaacac          58
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 57
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: PCR primer to amplify the SM3 scFv sequence
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202 cctgaacgtc gcagcggcgg gagccgtgcc gctcttggtg cagctgcagg agtctgg          57
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207 <211> LENGTH: 111
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: sequence of the synthetic pll7.5 promoter
215 <400> SEQUENCE: 13
216 ataaaaatat agtagaattt catttgtttt ttctatgct ataaatagga tccgataaag      60
218 tgaaaaataa ttctaattta ttgcacggta aggaagtaga atcataaaga a          111
222 <210> SEQ ID NO: 14
223 <211> LENGTH: 53
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: PCR primer to amplify the pll7.5 promoter
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232 gggggatccc ccgggctgca gaagcttttc ttatgattc tacttcctta ccg          53
236 <210> SEQ ID NO: 15
237 <211> LENGTH: 50
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:

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242 <223> OTHER INFORMATION: antisense PCR primer to amplify the pllk7.5 promoter
 245 <400> SEQUENCE: 15
 246 ggggggagat ctaagcttgt cgacataaaa atatagtaga atttcatttg 50
 250 <210> SEQ ID NO: 16
 251 <211> LENGTH: 77
 252 <212> TYPE: DNA
 253 <213> ORGANISM: Artificial Sequence
 255 <220> FEATURE:
 256 <223> OTHER INFORMATION: synthetic sequence
 259 <400> SEQUENCE: 16
 260 gatggtgaca gggggaatgg caagcaagtg ggatctcgag ttgggtgact ttggtgacag 60
 262 atactactgt gtttaag 77
 266 <210> SEQ ID NO: 17
 267 <211> LENGTH: 85
 268 <212> TYPE: DNA
 269 <213> ORGANISM: Artificial Sequence
 271 <220> FEATURE:
 272 <223> OTHER INFORMATION: synthetic sequence
 275 <400> SEQUENCE: 17
 276 gataccttaaa cacagtagta tctgtcacca aagtcaccca actcgagatc ccacttgctt 60
 278 gccattcccc ctgtcaccat ctgca 85
 282 <210> SEQ ID NO: 18
 283 <211> LENGTH: 32
 284 <212> TYPE: DNA
 285 <213> ORGANISM: Artificial Sequence
 287 <220> FEATURE:
 288 <223> OTHER INFORMATION: PCR primer to amplify the 5' F13L flanking region of MVA
 291 <400> SEQUENCE: 18
 292 gagaggatcc gggatatctag ccacagtaaa tc 32
 296 <210> SEQ ID NO: 19
 297 <211> LENGTH: 32
 298 <212> TYPE: DNA
 299 <213> ORGANISM: Artificial Sequence
 301 <220> FEATURE:
 302 <223> OTHER INFORMATION: antisense PCR primer to amplify the 5' F13L flanking region
 of
 303 MVA
 306 <400> SEQUENCE: 19
 307 ttctgaattc ggaatctgta ttctcaatac cg 32
 311 <210> SEQ ID NO: 20
 312 <211> LENGTH: 33
 313 <212> TYPE: DNA
 314 <213> ORGANISM: Artificial Sequence
 316 <220> FEATURE:
 317 <223> OTHER INFORMATION: PCR primer to amplify the 3' F13L flanking region of MVA
 320 <400> SEQUENCE: 20
 321 atctgaattc gtggagatga tgatagtta agc 33
 325 <210> SEQ ID NO: 21
 326 <211> LENGTH: 34
 327 <212> TYPE: DNA

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328 <213> ORGANISM: Artificial Sequence

330 <220> FEATURE:

331 <223> OTHER INFORMATION: antisense PCR primer to amplify the 3' F13L flanking region
of

332 MVA

335 <400> SEQUENCE: 21

336 aacaggatcc cttatacatc ctgttctatc aacg

34

VERIFICATION SUMMARY

DATE: 08/17/2001

PATENT APPLICATION: US/09/832,899A

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Input Set : A:\032751-052.ST25.txt

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